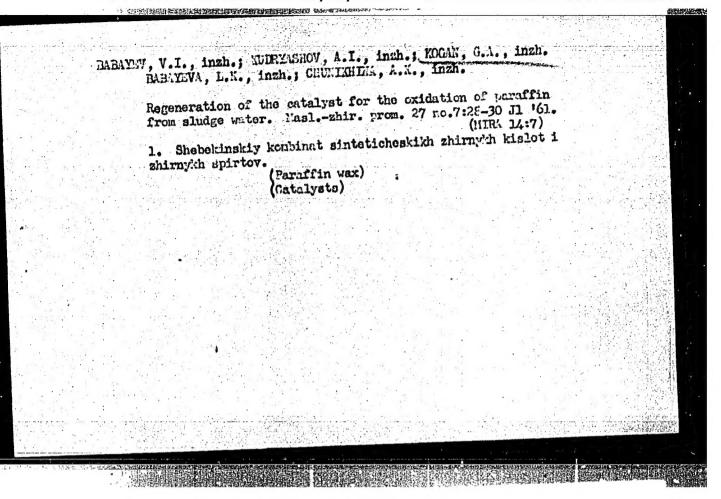
VARLAMOV, V.S., kand.tekhn.nauk; IL'IHA, A.I.; KUDHYASHOV, A.I., insh.; UDOVERKO, V.S., insh.; MOGAN, G.A., insh.

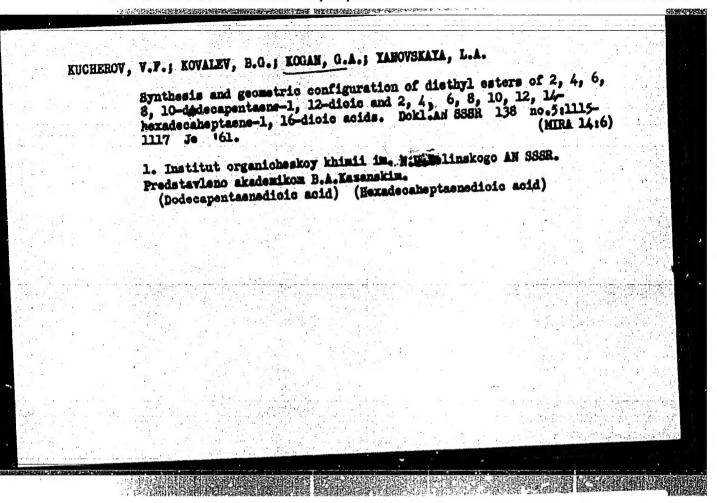
Continuous oxidation of paraffins under industrial conditions. Masl.-shir.pron. 25 no.10:39-41 '59.

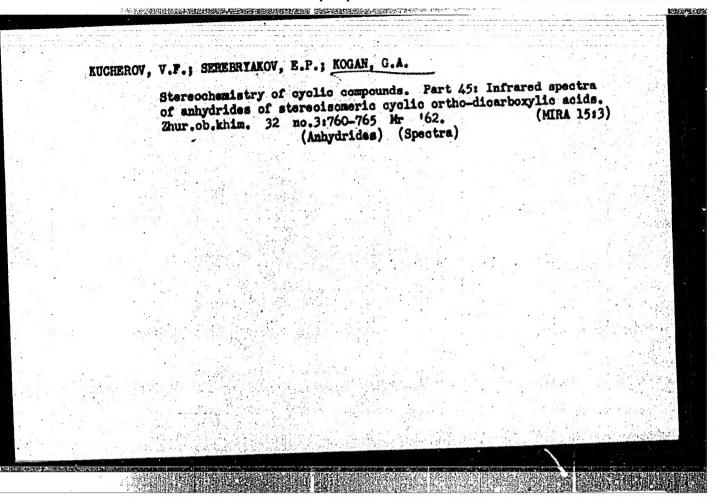
(MIRA 13:2)

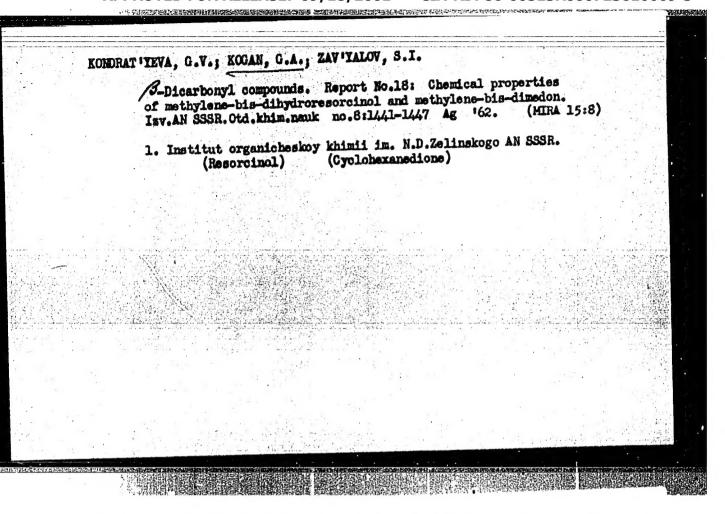
1. Vsesoyusnyy nauchno-issledovatel'skiy institut shirov (for Varlamov, Il'ina). 2. Shebekinskiy kombinat sintetichekikh shirnykh kislot i shirnykh spirtov (for Kudryashov, Udovenko, Kogan).

(Shebekino--Faraffins)









YANOUSKAYA, L. A.; RUDKEKO, B. A.; KUCHEROV, V. F.; STEPANOVA, R. N.;

KOGAN, G. A.

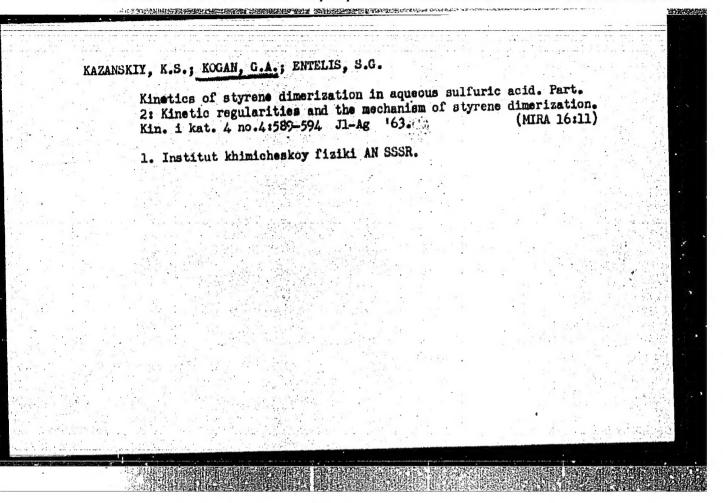
Chemistry of acetals. Report No. 13: Hydrolysis of some diacetals studied by means of gas-liquid chromatography.

Isv. AN SSSR Otd. khim. mauk no.12:2189-2196 D '62.

(MIRA 16:1)

1. Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR.

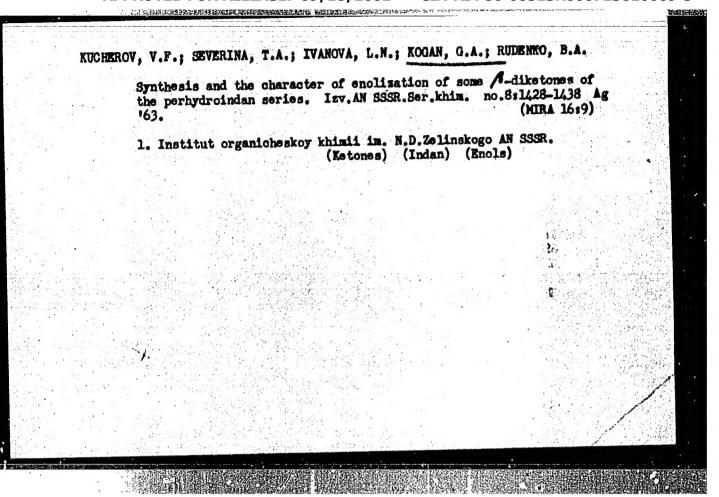
(Acetals) (Hydrolysis) (Gas chromatography)

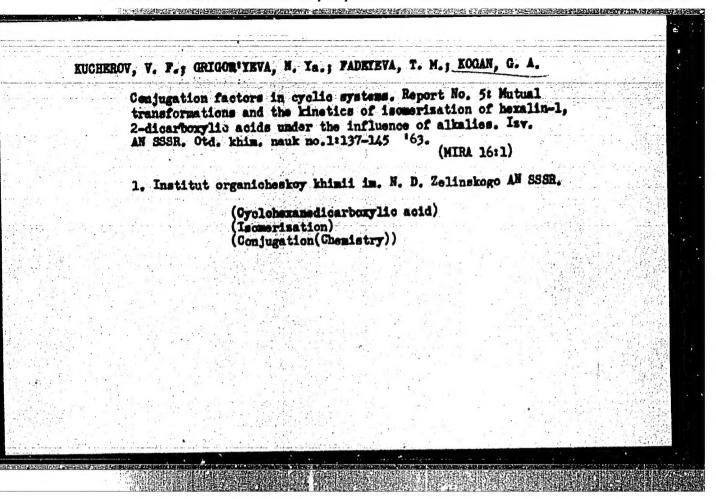


IVANOVA, L.N.; SEVERINA, T.A.; KOGAN, G.A.; KUCHEROV, V.F.

Some reaction of A-diketones of the perhydroindan series. Isv.AN
SSSR,Ser,khim. no.8;1438-1445 Ag '63. (MIRA 1619)

1. Institut organicheskoy khimii im. N.D.Zelinakogo AN SSSR.
(Ketones) (Indan)





KOVALEV, B. G.; YANOVSKAYA, L. A.; KUCHEROV, V. F.; KOGAN, G. A.

Chemistry of polyene and polyacetylene compounds. Report No. 8: Paths in the synthesis of polyene dicarboxylic acids with an even number of double bonds and polyene dicarboxylic acids. Izv. AN SSSR. Otd. khim. nauk mo.1:145-152 (3). (MIRA 16:1)

1. Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR.

(Acids, Organic) (Unsaturated compounds)
(Chemical bonds)

ENTELIS, S.G.; EAZANSKIY, E.S.; KOGAN, G.A.

Kinetics of styrene dimerisation in equeous sulfuric acid.

Part 1: Ionisation of styrene in the H₂SO₂ - H₂O system.

Kin.i kat. 4 no.2:277-281 Mr-Ap *63.

1. Institut khimicheakoy fiziki AN SSSR.

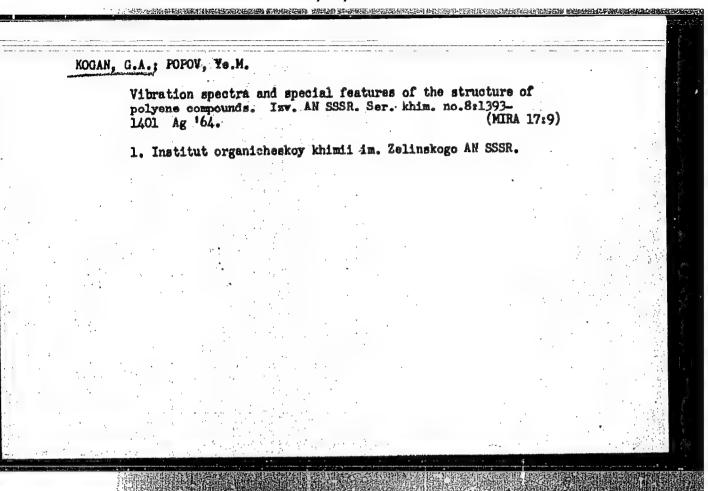
(Styrene) (Ionization) (Sulfuric acid)

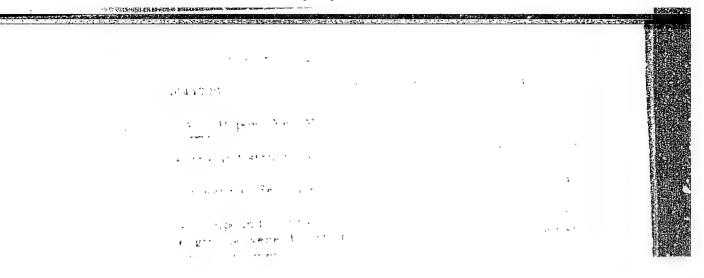
YANOVSKAYA, L.A.; STEPANOVA, R.N.; KOCAN, C.A.; KUCHEROV, V.F. Chemistry of acetals. Report No.14: Preparation of esters of polyenic aldehyde acids, their scetals and symmetric and asymmetric dicarboxylic acids. Isv.AN SSER Otd.khiminauk no.5:857-865 My 163. 1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSER. (Acetals) (Acids, Organic) (Unsaturated compounds)

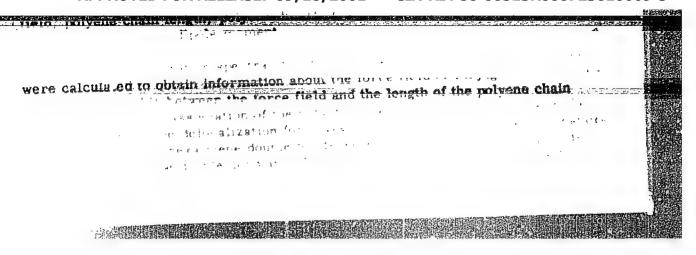
VINOGRADOVA, L.P.; KOGAN, G.A.; ZAV'YALOV, S.I.

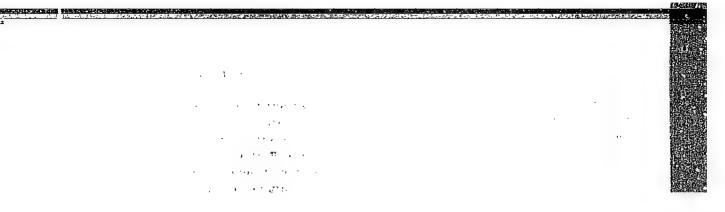
B-Dicarbonyl compounds. Report No.20: Interaction of 2-formylcy-clohexanone enamines with hydrogen peroxide. Izv. AN SSSR. Ser. khim. no.6:1054-1060 Je '64.

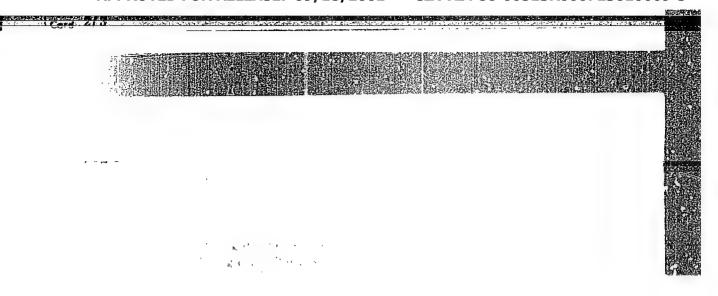
1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

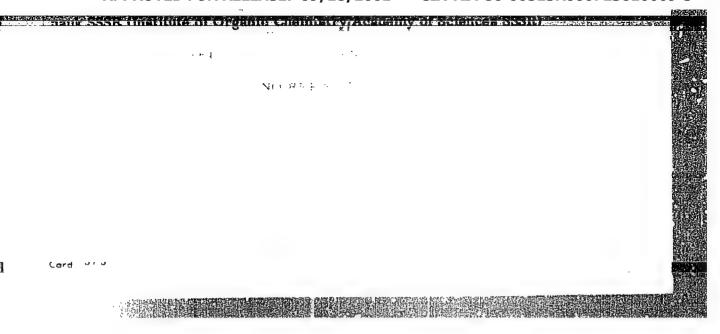


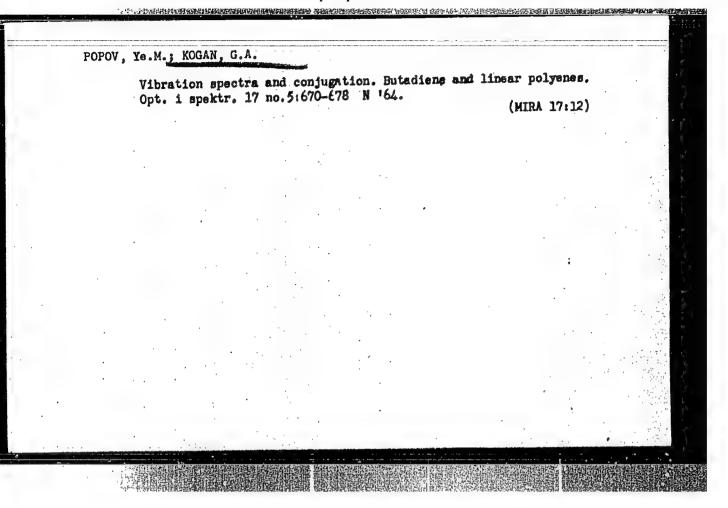


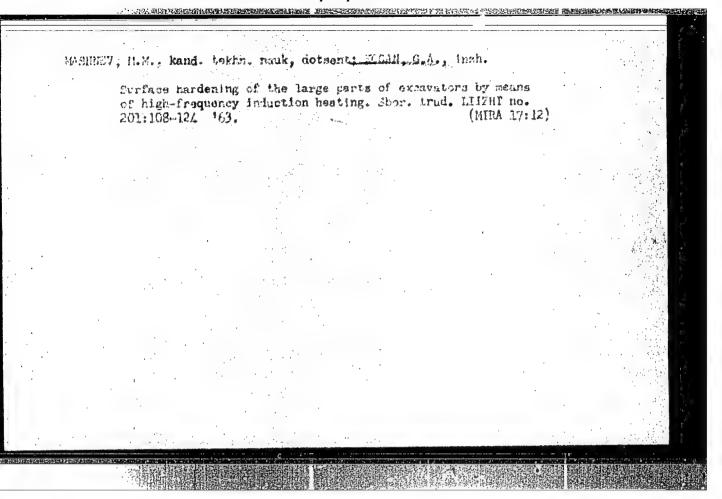










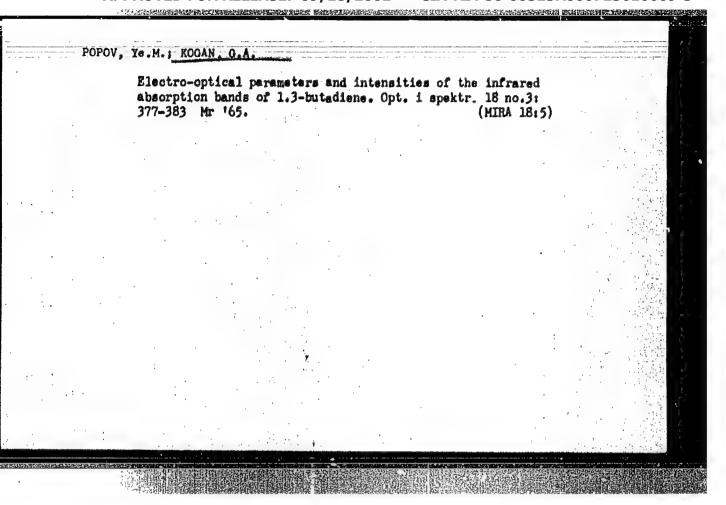


KONDRAT'YEVA, G.V.; KOGAN, G.A.; FADEYEVA, T.M.; ZAV'YALOV, S.I.

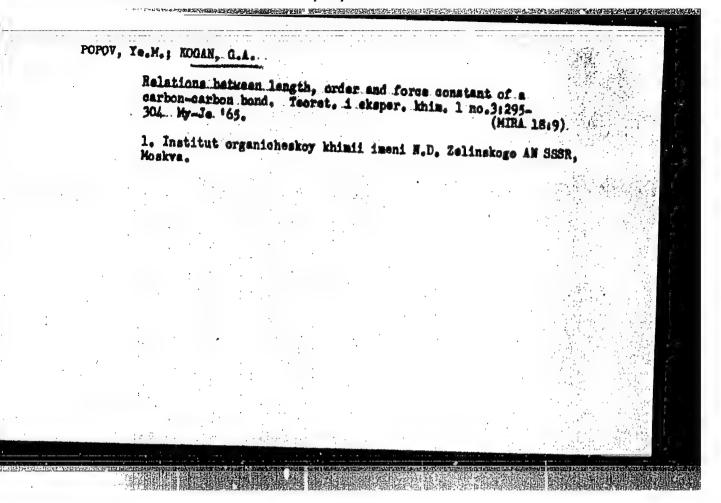
\$ -Dicarbonyl compounds. Report No.21: Dissimilarity in chemical behavior of 2-methyl-1,3-cyclopentadienone and 2-methyldihydrore-socional. Izv. AN SSSR. Ser. khim. no.9:1648-1653 S'64.

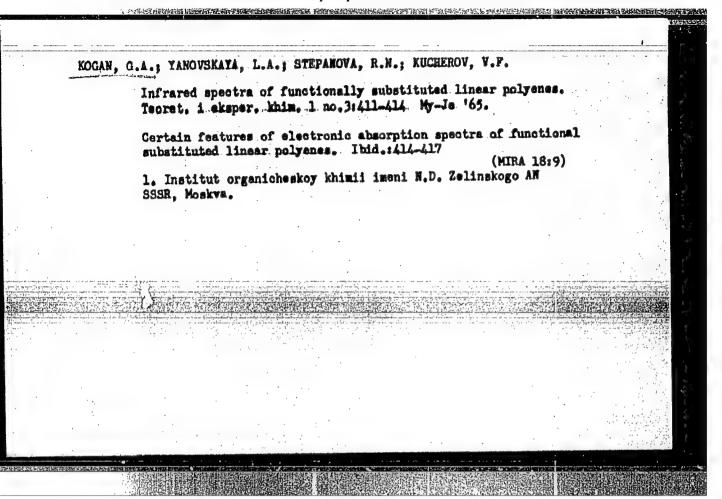
(MIRA 17:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

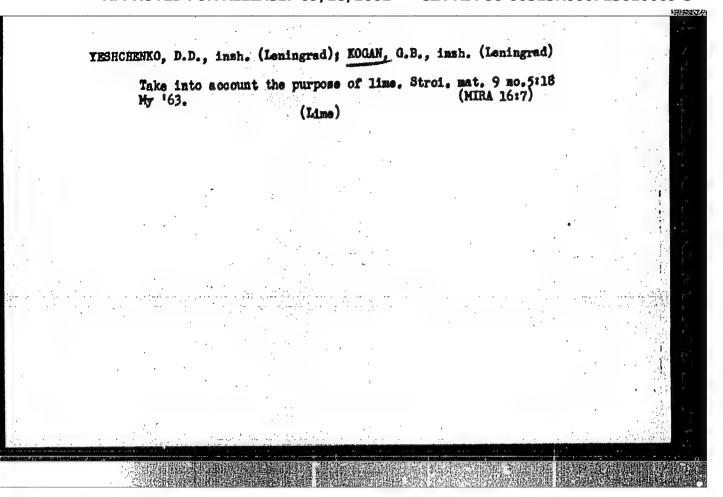


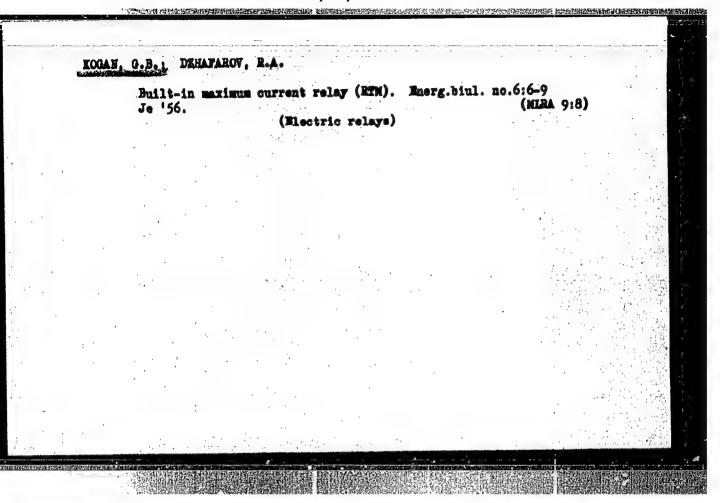
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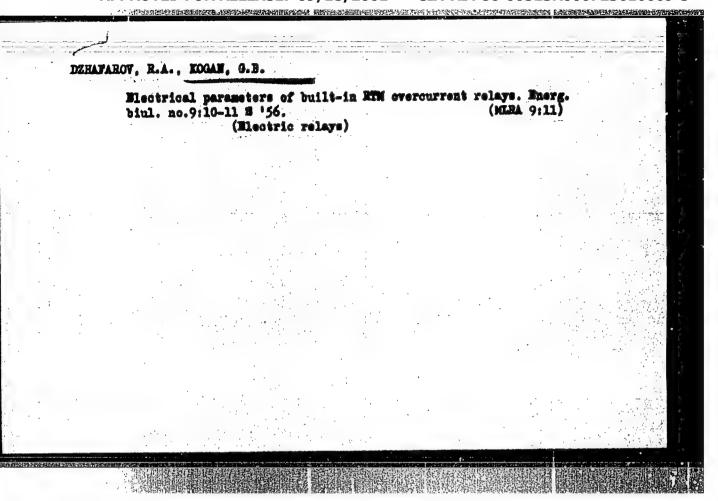


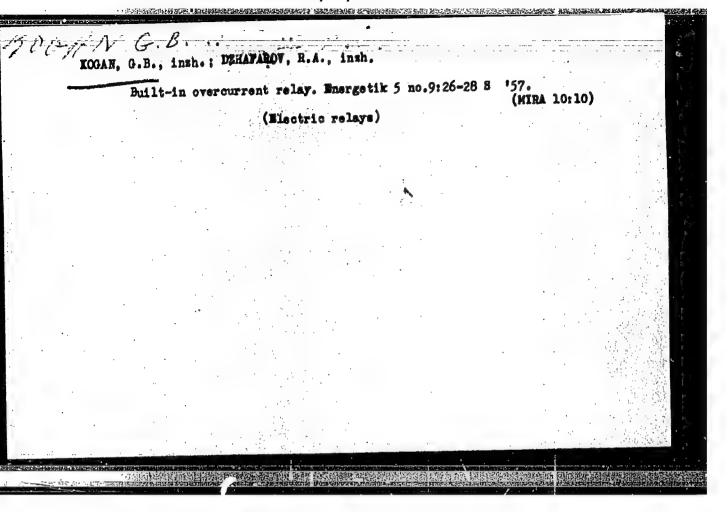


L 47327-66 EWT(n1/EWP(1) ACC NR: AR6025768 SOURCE CODE: UR/0058/66/000/004/D056/D056 AUTHOR: Kogan, G. A.; Ivanova, T. M.; Yanovskaya, L. A.; Kucherov, V. F.; Popov, Ye. M. TIME: Vibrational and electronic spectra of ethers of polyene carboxylic acids SOURCE: Ref. zh. Fizika, Abs. 4D426 REF. SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 113-124 TOPIC TAGS: ir spectrum, Raman spectrum, uv spectrum, carboxylic acid, electron spectrum, vibration spectrum, conjugate bond system ABSTRACT: In order to study the mutual influence of functional groups of atoms through a system of conjugated bonds, Tthe authors investigated the frequencies and integral intensities of the IR, Raman, and UV bands of polyene compounds of the type $X(CH=CH)_{n}COCC_{2}H_{5}$ (X = CH₃, $CC_{2}H_{5}$, COH, NO₂, and $COCC_{2}H_{5}$; n = 1 -- 5). On the basis of an analysis of the obtained data, the authors explain the causes of variations of these parameters and of the spectra of the compounds in the ground and excited states [Translation of abstract]. SUB CODE: 20 Card 1/1 mis









AUTHOR:

Kogan, G.B.

sov/90-58-2-6/9

TITLE

An Apparatus for Checking the Surface Quality of Footstep-Bearings while the Electric Measuring Equipment Is Being Repaired (Pribor dlys opredeleniya kachestva poverkhnosti kratera podpyatnikov pri remonte elektroizmeritel'noy apparatury) Exchange of Experience (Obmen opytom)

PERIODICAL:

Energeticheskiy byulleten', 1958, Nr 2, pp 28-29 (USSR)

ABSTRACT:

The author presents a new apparatus developed by the electro-laboratory of "Permneft'". The apparatus has been constructed for checking the surface quality of the footstep bearings of the electric measuring devices. The essential parts of the apparatus are: an amplifier, a piezo-electric search-coil with a needle at its end, and a pair of headphones or an oscillograph. The search-coil is composed of 2 textolite plates with a piezoelement sandwiched between them. Operational instructions are given. There are 2 diagrams.

1. Bearings—Surface properties 2. Surfaces—Inspection 3. Measurement—Equipment 4. Electrical equipment—Design

Card 1/1

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723610009-3"

SOV-91-58-4-5/29 Kogan, G.B., Engineer On the Article of S.S. Gadzhiyev "On the Increase of the AUTHOR: Number of Consumer Lines Connected with One Common Switch of 6 and 10 ky" (Po povodu stat'1 S.S. Gadshiyeva "Ob TITLE: uvelichenii chiela potrebitel'skikh liniy, podklyuchayemykh pod odin vyklyuchatel: 6 i 10 kv") Energetik, 1958, Mr 4, pp 6-7 (USSR) With the idea of economy the author examines the suggested PERIODICAL: circuits utilized in distribution systems with "MGG-229" ABSTRACT: or "VMG-133" type switches, each of which is installed in a separate cell. Taking into consideration the structure of cells and the need of additional area for them in the distribution system, he comes to the conclusion that there is no economy at all. Besides this, bolt connections between cables and switching equipment cause difficulties due to the contact resistances. According to the Regulations of Technical Service and "Circulars on Power Failure" of the Ministerstvo elektrostantsiy (Ministry of Electric Power Plants), the contact resistances must by systematically measured. Their value is a function of the quantity of the bolt connection. If one bolt is connected with several cable terminals, the contact resistance sharply Card 1/2

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723610009-3"

SOV-91-58-4-5/29
On the Article of S.S. Gadzhiyev "On the Increase of the Number of Consumer Lines Connected with One Common Switch of 6 and 10 kv increases and produces a non-permissible overheating of the equipment.

1. Electrical networks-Design 2. Switching systems-Equipment

Card 2/2

90-58-5-9/10

AUTHORS:

TITLE:

Kogan, G.B., and Pivovarov, L.K. Experience of Testing Control Cables During Assembly Work in Oil Fields (Opyt ispytaniya kontrol'nykh kabeley pri

proizvodstve montazhnykh rabot na neftyanykh promyslakh)

PERIODICAL:

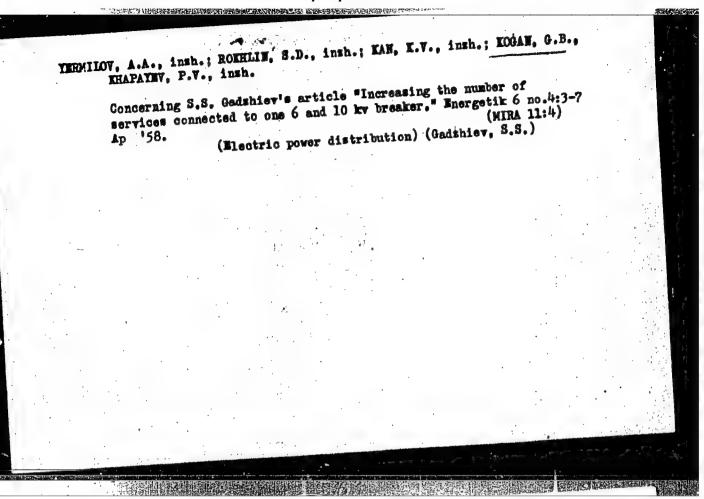
Energeticheskiy Byulleten', 1958, Nr 5, pp 28-29 (USSR)

ABSTRACT:

The checking of multi-strand cables is carried out by means of ohm-meters, signal lamps, inductors, etc. One strand is grounded, and on the other end of the cable the checking apparatus shows which strand it is. In this way all strands are checked and then marked. For this method two workers are needed and many man-hours. A new device has been developed, consisting of a special resistor magazine (Figure 2) and a control frame (Figure 3). The checking of the cable strands is carried out by connecting the ends of the strands with the terminals of the resistor magazine (Figure 4). On the other end of the cable the resistance of the different strands is indicated on a megoha-meter. In this way each strand of the cable can be determined and marked. The new device requires only one worker for operation, and the time for checking a cable is reduced to one fourth. This device is being used in the oil fields of

Card 1/2

CIA-RDP86-00513R00072361



TO THE PROPERTY OF THE PROPERT 91-58-5-20/35 Kogan, G.B., Engineer Device for Determining the Quality of Bearing Craters When AUTHOR: Repairing Electrical Measuring Apparatus opredeleniya kachestva kratera podpyatnikov pri remonte TITLE: elektroizmeritel noy apparatury) Energetik, 1958, Nr 5, pp 22-23 (USSR) The checking of the bearing craters at electric measuring PERIODICAL: devices is accomplished by a steel needle. Scratches and holes in the crater are found by experienced workers. In ABSTRACT: the article, a new device is proposed which consists of a simple amplifier and a piezoelectrical probe. This device operates faster and more exactly. It may be used with headphones or an oscillograph. For great exactness in special measuring devices, the checking may be recorded on a film of the oscillograph MPO-2. The diagram of the amplifier is represented in Figure 1, the piezoelectrical transducer in Figure 2. The amplifier is connected with a 110 - 220 a-c power line and a steel needle inserted into the transducer. If the needle meets with disturbances on the surface of the crater, a crackle is heard in the headphones. An undisturbed surface causes a uniform noise or Card 1/2

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723610009-3"

91-58-5-20/55

Device for Determining the Quality of Bearing Craters When Repairing Electrical Measuring Apparatus

a straight line of the oscillogram. The use of this apparatus requires no special worker qualifications.

There are 2 figures.

AVAILABLE: Library of Congress

Card 2/2 1. Amplifiers - Pie zoelectric gages

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723610009-3"

AUTHORS:

Kel'ner, A.I. and Kogan, G.B.

SOV-90-58-10-8/9

.TITLE:

Experience Gained on the Adjusting of an Automatic Device for the Regulating of Combustion in Boilers Working on Liquid Fuel (Iz opyta naladki avtomatiki goreniya kotlov na

zhidkom toplive)

PERIODICAL:

Energeticheskiy byulleten', 1958, Nr 10, pp 25 - 31 (USSR)

ABSTRACT:

The authors describe a system of automatic regulation of the combustion in boilers of the Krasnovodsk Thermo-electric Power Station. The basic feature of this project was that the regulators worked in series. In the system, a regulating column was also installed on the fuel valve to regulate variations in pressure. However, during the process of making adjustments, carried out by Kavteplokontrol' and a representative of PKB-12, grave defects were revealed. It was impossible to get the valves of the pressure and fuel regulators to work steadily, or to achieve the necessary ratio of fuel to air due to the lack of sensitivity of the KRV (regulating column). Under the new system proposed by the factory, the pulse going to the KRV is governed not by the position of the fuel valve but by the consumption of mazut. The authors then give a detailed description of the adjusting processes. A lengthy account of the results of

Card 1/2

SOV-90-58-10-8/9

Experience Gained on the Adjusting of an Automatic Device for the Regulating of Combustion in Boilers Working on Liquid Fuel

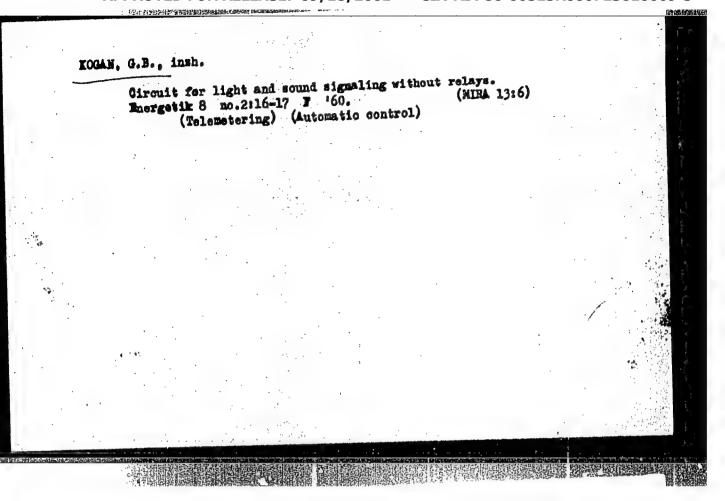
the test then follows. The authors finally give the following conclusions. The characteristics must be taken for each boiler separately and the air impulse rheostats must be constructed individually. The results of the test showed that the scope of regulation reaches 50%, the burners being switched off manually. There are 9 graphs, one table, one flow chart, one diagram, one circuit diagram and one Soviet reference.

1. Boilers-Control systems 2. Fuels-Control systems

3. Control systems -- Performance

Card 2/2

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723610009-3"



8/0000/63/000/000/0123/0128

AT4030535 ACCESSION NR:

AUTHOR: Kogan-Beletskiy, G. I.

TITLE: The contemporary status and outlook for the utilization of weather data in pilot-engineer calculations in aviation

SOURCE: Nauchnaya konferentsiya po aviatsionnoy meteorologii. Moscow, 1960. Materialy*. Moscow, Gidrometeoizdat, 1963, 123-128

TOPIC TAGS: weather data, storm activity, turbulence, icing, cloud height, visibility, standard atmosphere, TU104 aircraft, jet stream

ABSTRACT: This paper is one of 13 previously unpublished reports of the 40 papers given at the Nauchnaya konferentsiya po voprosam aviatsionnoy meteorologii (scien-"ific conference on problems of aviation meteorology) that was held in June and July or 960 in Moscow at the Glavnoye upravleniye gidrometeorologischkoy sluzhby* SSSR. In his paper the author examines a number of phenomena such as storm activity, st ong turbulence, icing, limited ceiling and visibility and their effect on air-Craft. The ability of an airplane to maintain proper control and stability and not be carried into a critical angle of attack is also dependent upon somewhat slight vertical and horizontal pulsations. The maximum permittable altitude and ceiling

Card 1/2 1

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pends upon aircraft we	take and the abundant	ahayaatayidtiga	of the atmosp	haric	
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ly affect flight safet	y but also profoundly	affect economic	factors (fuel	con-	
mption, etc.). By per t only high quality we	fecting the meteorolo	gical services, 1	: 15 necessar More efficien	y to atta	110
ilize them. This task	can only be resolved	by the joint off	orts of aviat	ion may me	
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89 an, 6,1

AUTHOR:

Kogan, G.I., Engineer,

28-4-24/35

TITLE:

The Basis of the Projected Standard for Drawings of Gear Wheels and Worms (Osnovy proyekta standarta na oformleniye chertezhey zubchatykh koles i chervyakov)

PERIODICAL:

Standartizatsiya, 1957, # 4, pp 75-78 (USSR)

ABSTRACT:

The article gives detailed information on this project which is being worked out by the All-Union Technological Project Institute (VPTI). In the past, drawings of gear wheels and worms have not always contained all necessary data on the tooth rim, and technologists had to compute parameters before preparing the cutting and measuring tools.

The projected standard concerns gears with machined teeth only, and with moduls and dimension proportions with reference to FOCT 3058-54, 1643-56, 1758-56 and 3675-56. It does not include special gear types such as hypoidal, globoidal, spheroidal, toroidal, wheels with round tooth profile and worms with non-linear helical surface, all of which are relatively rare. The standard will indicate fixed places for all data

Card 1/2

on the drawing.

Recommendations by the ISO/TC 60 concerning indications of

The Basis of the Projected Standard for Drawings of Gear Wheels and Worms

intermediate fit data (before the tooth machining operation)

and indications of data on the other, opposing gear on a

drawing are considered to be impractical.

All-Union Technological Design Institute (Vsesoyuznyy proyekt-ASSOCIATION:

no-tekhnologicheskiy institut)

Library of Congress AVAILABLE:

Card 2/2

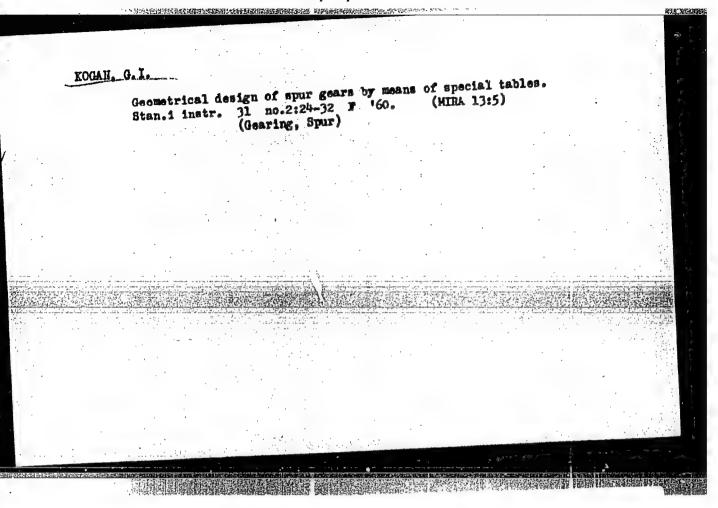
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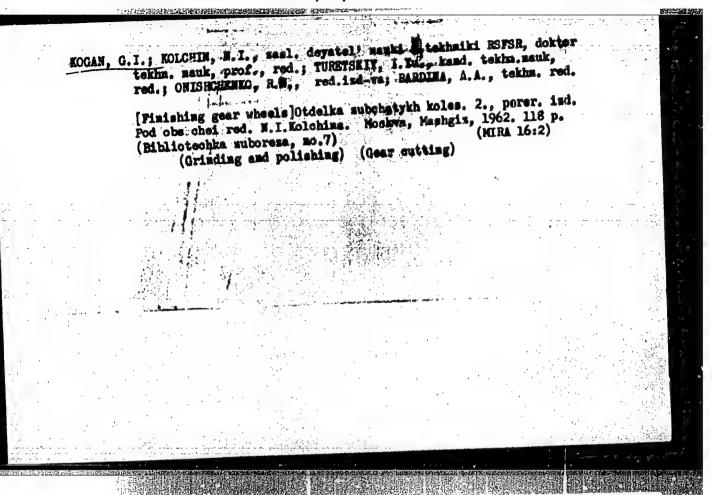
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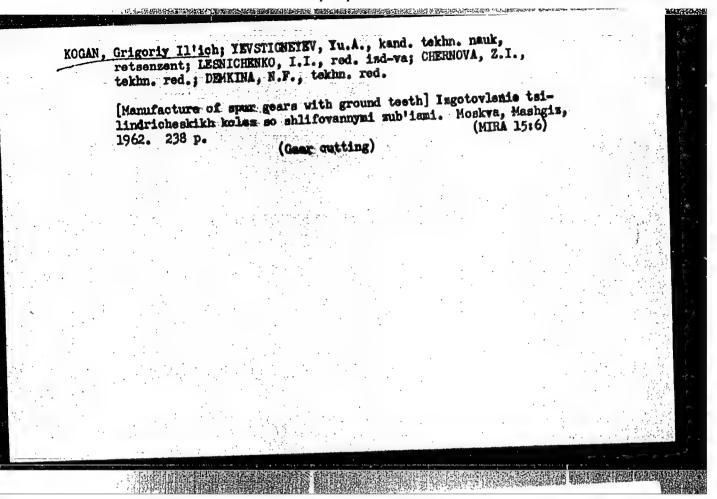
ROLERIN, M.S., pron. doktor tekhm.nauk, red.; TUREFERIV, I.Tu.,
red.; VABILLYNV, V.P., red.; red.; Starta, R.G., tekhm.red.

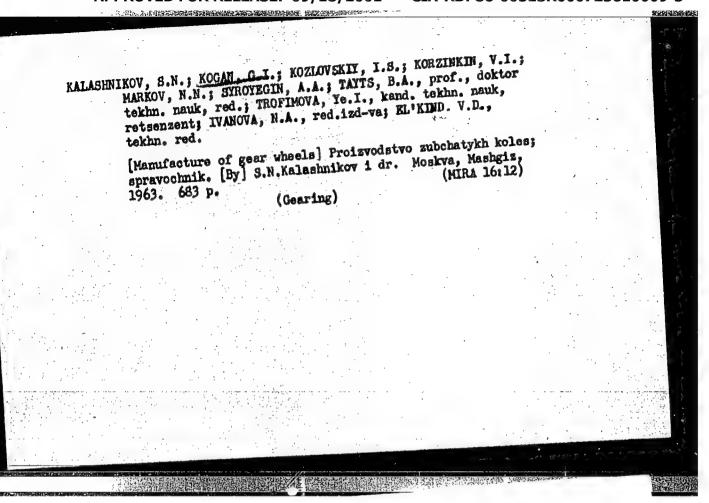
[Design and examples of repairing gear-grinding machines] Raschet
i princery naladok subcehlifoval'uyth stankov. Pod obshubei red.
i princery naladok subcehlifoval'uyth stankov. Pod obshubei red.
H.I.Kolchins. Moskva, Gos. nauchno-tekhn. isd-vo machinesrotit.
H.I.Kolchins. Moskva, Gos. nauchno-tekhn. isd-vo machinesrotit.
lit-ry, 1957. 134 p. (Bibliotechka subcress-novators, no.5)
(Gear-cutting machines)

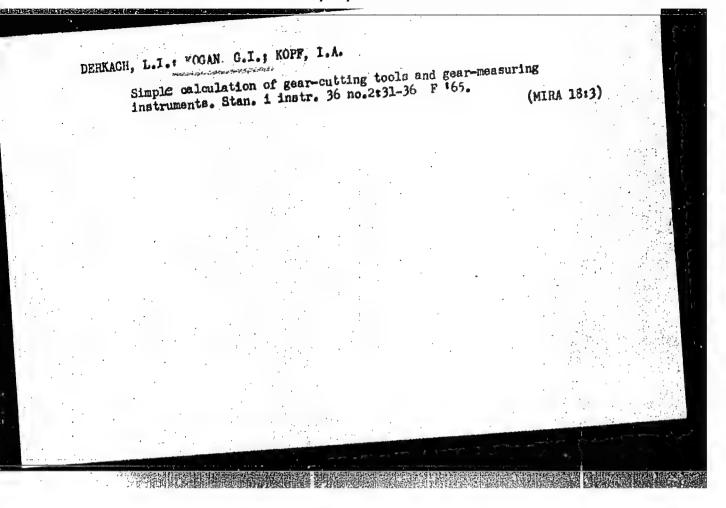
(MIRA 11: 5)

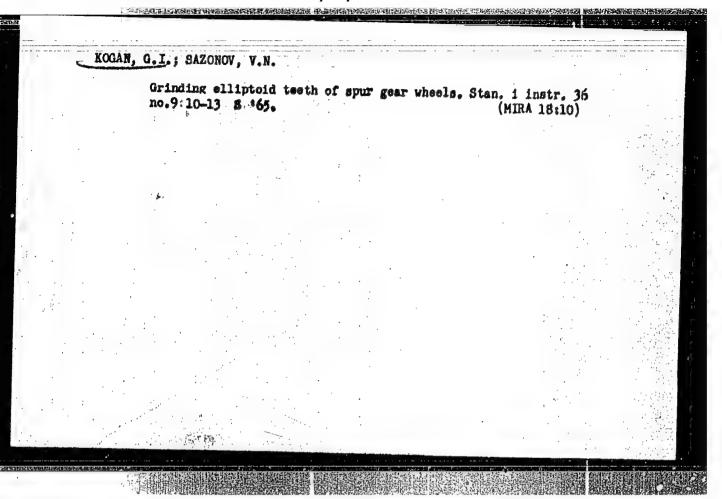












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KHALETSKA, N.I.; CMEKHOVSKIY, N.S.; PIYANKOV, P.I.; OSTROVSKIY, N.N. BIRBRAYER, M.L.; ABRAMOVA, N.I.; KOGAN, G.Kh., kand.med.nauk; ANDZHELOV, V.O., kand.med.nauk;

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Abstracts. Sovet. med. 27 no.9:131-133 5'63 (MIRA 17:2)

l. Is kafedry gospital noy terapii Voyamno-meditsinskoy ordena Lenina akademii imeni Kirova (for Khaletskaya, Chekhovskiy).

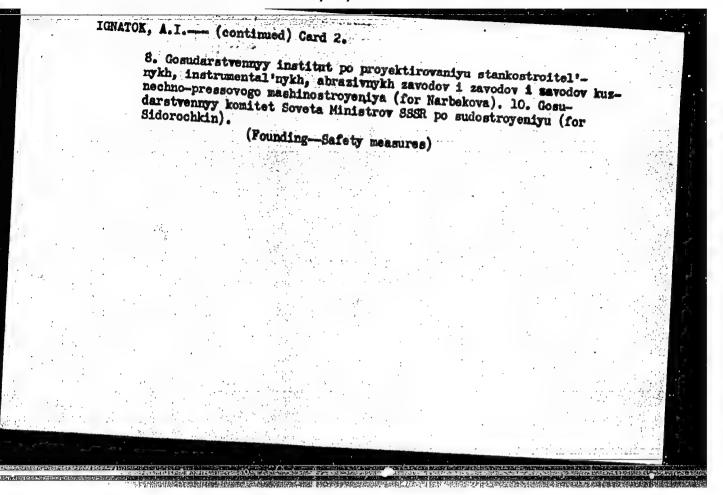
2. Iz kliniki infektsionnykh bolezney Permskogo meditsinskogo instituta (for P'yankov). 3. Iz kafedry infektsionnykh bolezney Hlagoveshchenskogo meditsinskogo instituta (for Ostrovskiy) 4. Iz kafedry kozhnykh i vemericheskikh bolezney Odesskogo meditsinskogo instituta imeni Pirogova (for Birbrayer). 5. Iz kafedry kozhnykh bolezney II Moskovskogo meditsinskogo instituta imeni Pirogova (for Abramova).

6. Iz kozhnogo dispansera 24-y gorodskoy bol'nitsy Dhepropetrovska (for Kogan). 7. Iz nauchno-issledovatel skogo instituta glaznykh bolezney imeni Gel'mgol'tsa (for Andshelov).

ICNATOK, A.I., insh.; SHIPMAN, G.M., kand. med. nauk; red.; KORETSKIY, V.A., starshiy insh., red.; SHULENIN, N.A., red.; MIKHAYLOVA, V.L., tekhisepektor, red.; KOGAN, G.M., starshiy insh., red.; NARBEKOVA, N.N., starshiy insh., red.; SIDOROCHKIN, S.S., starshiy insh., red.; SMIRNOVA, G.V., tekhn. red.

[Regulations on safety measures and industrial sanitation in foundry practice in the machinery industry] Pravila tekhniki besopasmosti i proizvodstvemnoi sanitarii v liteinom proizvodstve mashinostroitel noi promyshlennosti. Utverzhdeny Prezidiumom Tsk Profsoiuza rabochikh mashinostroeniia 19 noiabria 1958 goda...
Moskva, Mashgis, 1961. 69 p. (MIRA 15:6)

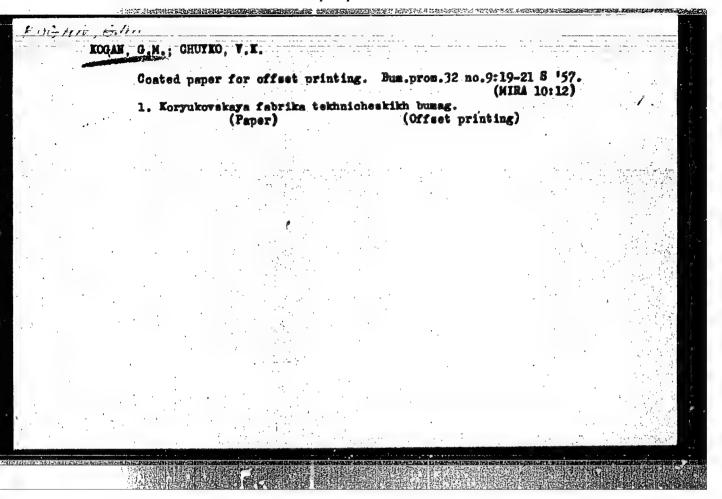
l. Profsoyus rabochikh mashinostroyeniya SSSR. 2. Glavnyy tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza mashinostroyeniya SSSR (for Ignatok). 3. Moskovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Shifman). 4. Moskovskiy zavod "Stankolit" (for Koretskiy). 5. Uchenyy sekretar' Nauchmo-issledovatel'skogo instituta liteynogo mashinostroyeniya i liteynoy tekhnologii (for Shulenin). 6. Tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza mshinostroyeniya SSSR (for Mikhaylova). 7. Moskovskiy avtozavod im. Likhacheva (for Kogan). (Continued on next card)



KOGAN, G.M., inzh.; MAKEYEV, S.A., red.; SOSINA, A.L., tekhn. red.

[Collection of inventions; welding]Sbornik izobretenii; swarochnaia tekhnika. Moskva, TSentz. biuro tekhn. informatsii, 1961. 210 p. (MIRA 15:7)

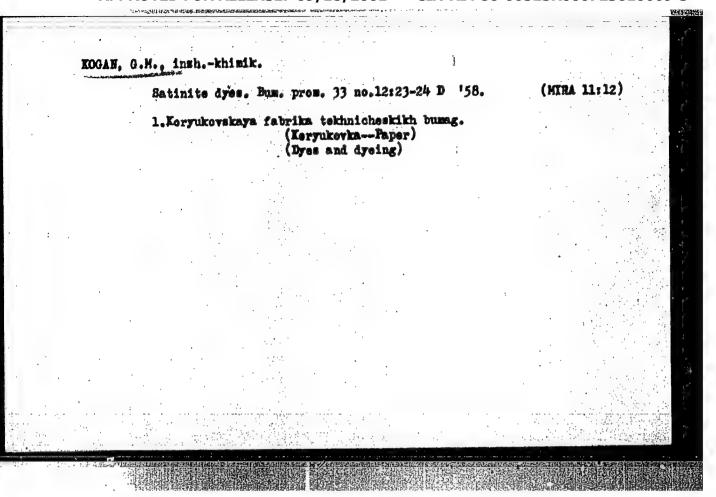
1. Russia (1923- U.S.S.R.) Komitet po delam izobretenii i otkrytii. (Welding-Patents)

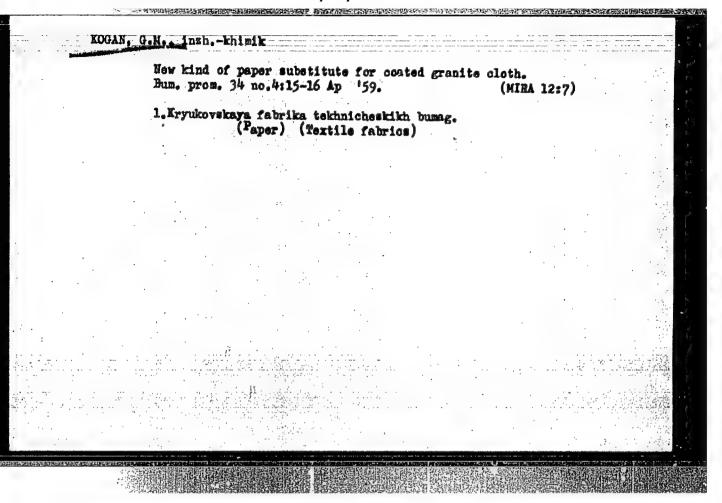


EOOAK, J.M., insh.-khimik

Using white pigeent for manufacturing coated paper. Bus.prom.
33 no.10:22-23 0 58. (MIRA 11:11)

1. Koryukovskaye fabrike tekhnicheskith busag. (Koryukovka.-Paper) (Pigmente)





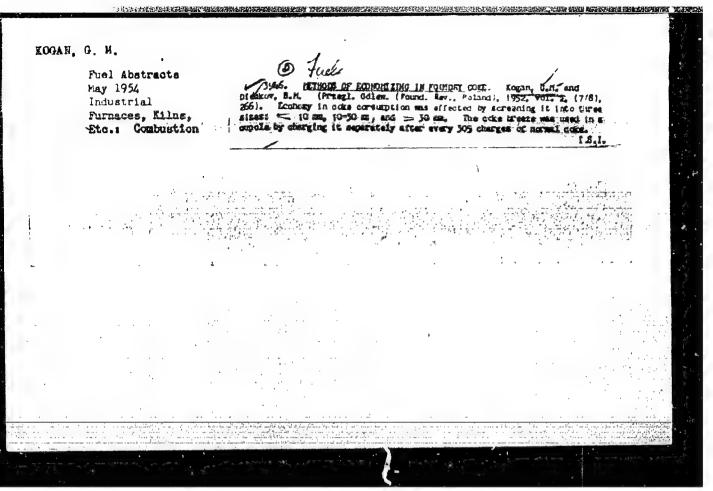
IGNATOK, A.I., insh.; SHIFMAN, G.M., kand. med. n'uk, red.; KORETSKIY,

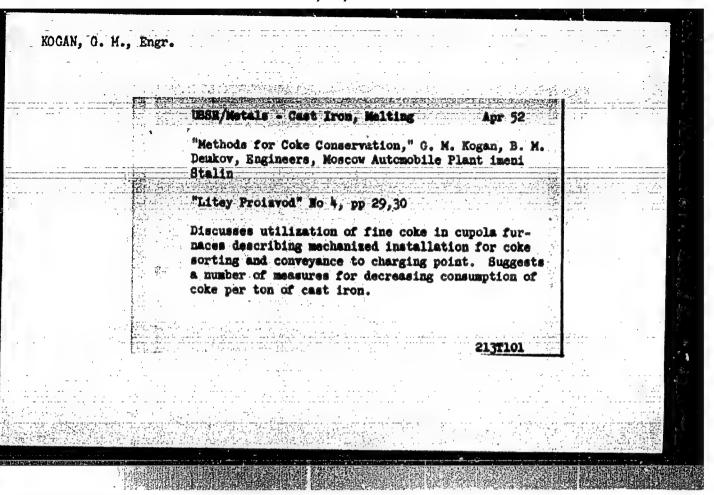
V.A., starshiy insh., red.; SHULENIN, N.A., red.; MIKHAYLOVA, V.L.,

red.; KOGAN, G.M., starshiy insh., red.; MARREKOVA, H.H., starshiy
insh., red.; SIDOROCHKIN, S.S., starshiy insh., red.; SOROKINA, G.Ye.,
tekhn. red.

[Safety and industrial sanitation regulations for founding shops in the machinery industry] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii v liteynom proizvodstve mashinostroitel'noi promyshlennosti. Utverzhdeny Prezidiumom TsK Profsoiuza rabochikh meahinostroeniia 19 noiabria 1958 goda... Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1960. 67 p. (MIRA 14:9)

1. Profecyuz rabochikh mashinostroyeniya SSSR. 2. Glavnyy tekhmicheskiy inspektor Tsentral'nogo komiteta profecyuza rabochikh mashinostroyeniya (for Ignatok, Mikhaylova). 3. Moskovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profecyuzov (for Shifman). 4. Moskovskiy zavod "Stankolit" (for Koretskiy). 5. Uchenyy sekretar' NIITLITMASha (for Shulenin). 6. Gosudarstvennyy institut po proyektirovaniyu stankostroitel'nykh, instrumental'nykh, abrazivnykh zavodov i zavodov kuznechno-pressovogo mashinostroyeniya (for Narbekova). 7. Moskovskiy avtozavod im. Likhacheva (for Kogan). 8. Gosudarstvennyy komitet Soveta Ministrov SSSR po sudostroyeniyu (for Sidorochkin). (FOUNDING—SAFETY MEASURES) (FACTORY SANITATION)





GLUEBOV, D.P., kandidat tekhnicheskikh nauk; EOGAL, G.M., inshener; DEGEOV, B.M., inshener.

Khalileve natural-alley pig iren used in machinery building. Lit. proisv.no.4:8-9 Ap 156. (NGRA 9:7) (Rhalileve--Iren-Ohresius-nickel alleys) (Machinery industry)

AUTHOR:

Dolotov, G.P. Zhuravlev, P.A. Kuznetsov, I.I

Kogan, G. M. Kondakov, Ye. A.

Nesterenko. P.S.

TITLE:

The Installation of a Radiation Recuperator on a Cupola

SOV/94-58-11

(Ustanovka radiatsionnogo rekuperatora na vagranke)

PERIODICAL: Promyshlennaya Energetika, 1958, Nr 11, p 19. (USSR)

ABSTRACT:

This suggestion was awarded a fifth premium in an All-Union Power Economy competition. Hitherto little use has been made of waste heat from foundry cupolas largely because the heat exchangers become dirty very quickly and therefore inefficient. Metal radiation recuperators of simple construction have recently been used abroad for this purpose. The authors proposed the installation of radiation recuperators for heating blast air on two cupolas of 18 tons per hour upwards. A sketch of the equipment is given. The recuperator consists of two metal tubes with an annular gap of

Card 1/2

SOV/94-58-11-9/28

The Installation of a Radiation Recuperator on a Cupola

3? mm; the recuperator is 6,000 mm high and constructional details are given. The method of installing the device is briefly described. The equipment has proved satisfactory in service and economises about 1,180 tons of coke a year. There is 1 figure.

Card 2/2

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723610009-3" S/122/61/000/012/001/008 D221/D303

AUTHORS:

Bulovskiy, N.N., Candidate of Technical Sciences,

Docent, Lev, V.S., and Kogan, G.M., Engineers

TITLE:

New transducer designs for measuring pressure in an

oil layer of a fluid friction bearing

PERIODICAL: Vestrik mashinostroyeniya, no. 12, 1961, 22 - 26

TEXT: The author describe new pressure transducers used during investigation of heavy loaded bearings, where the oil film was only 2 - 3 µ thick. The following prerequisites were found indispensable to ensure the accuracy of readings: The assembly of the transducer should not interfere with the friction surface, or reduce the rigidity of the shaft, it must also be simple and easy to replace. The measuring area must be small, but the sensitivity high. It must have linear characteristics (together with its amplifier and oscillograph). The calibration of the system should approach actual working conditions, and hold it during the process of measurement. Application of electric erosion permits the forma-

Card 1/4

S/122/61/000/12/001/008 D221/D303

New transducer designs for ..

tion of diaphragms with the required thickness on the surface of the heat treated shaft, and with a diameter of 5 - 8 mm. The piezoelectric transducer uses a spring loaded ceramic element of metan-iobate of barium or lead, whereas the strain gauge employs a threa-ded probe made of 60 C/A (60 SGA) steel. The first transducer has a greater sensitivity and stiffness, but is somewhat more involved. The diaphragm is supported by the transducer and thus decreases errors of readings, because the deformation depends upon the rigidity of the transducer, diaphragm and the joints. The small size of contact area allows 0.08 - 0.16 of the distributed load to be considered as a concentrated force acting on the diaphragm. The results of experimental measurements of deformation of the center in the latter are plotted. In the case of 8 mm diameter diaphragm, 1.5 mm thick and supported by the transducer, this deflection was below 1 - 2 μ with a distributed load of 500 kg/cm². There is, however, a shift in the surface layers of the shaft due to the distributed pressure of oil film in the bearing. In practice they are compensated by the displacement of the diaphragm center. The thin diaphragms are not expedient. The great sensitivity of piezo mate-Card 2/4

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723610009-3"

B/122/61/000/012/001/008 D221/D303

New transducer designs for .

rials balances the losses due to thick diaphragms. The available data recommend a thickness of 0.8 - 1.5 mm for diameters of 5 - 8 mm. Recently, use has been made of such materials as stannates, titanates and niobates of lead and barium which possess stable characteristics within a wide range of temperature. The piezo effect is determined by the piezo-modulus d33. Tests were carried out to establish these properties. The experiments proved that the piezo-electric constant of solid solution of metaniobate of barium in metaniobate of lead does not vary between 20 and 120°C, and is 40 times higher than the constant of quartz. The high piezo-effect of this material, its mechanical strength and large modulus of elasticity permit the construction of highly sensitive pressure transducers. The calibration jig consisted of an oil pump, manemeter and a clamp, fixed on the shaft opposite to the transducer. As the Curie temperature point of the above piezo material is about 350°C, it is possible to consider a higher operating temperature for testing fluid fraction bearings. A description is given of the test stand and oscillograms are quoted indicating the results of investigations. The latter confirmed the adequacy of the proposed arran-

Card 3/4

New transducer designs for ... S/122/61/000/012/001/008

Rew transducer designs for ... D221/D303

gements for investigating the oil film at high loads and speeds. There are 8 figures, 1 table and 6 Soviet-bloc references.

Card 4/4

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723610009-3"

VOLZHENSKIY, A., Prof.; KOGAN, G., Eng.

Plaster of Paris

Use of large panels made of plaster of Paris and concrete for partitions. Biul. stroi. tekh. 10, No. 5, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

KOGAN, G. S., Engr

Structural Engineering

Dissertation: "Gypsum-Concrete Fanels for Partitions and Interior Facings of Walls." Cand Tech Sci, Sci Res Inst of Construction Engineering, Acad of Architecture USSR, 19 Mar 54. (Vechernyaya Moskva, Moscow, 9 Mar 54)

SO: SUN 213, 20 Sept 1954

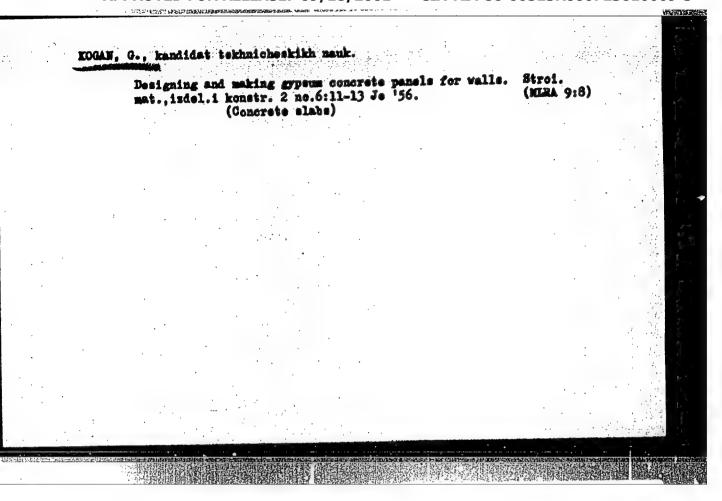
VOLZHEESKIT, A.V., professor, doktor tekhnicheskikh nauk; KOGAE, G.S., kandidat tekhnicheskikh nauk; ARBUZOV, E.T., kandidat tekhnicheskikh nauk; soroker, V.I., kandidat tekhnicheskikh nauk; redaktor; GIMPEL'SOE, A.Z., redaktor; LYUDKOVSKAYA, N.I., tekhnicheskiy redaktor

[Oypsum-concrete panels for partitions and inner lining of outside walls] Gipsobetonnye paneli dlia peregorodek i vnytrennei eblitsovki narushnykh sten. Moskva, Gos. isd-vo lit-ry po stroitel!-nym materialam, 1955. 184 p. (MLRA 9:7)

1, Chlen-korrespondent Akademii arkhitektury SSSR (for Volshenskii) (Concrete slabs)

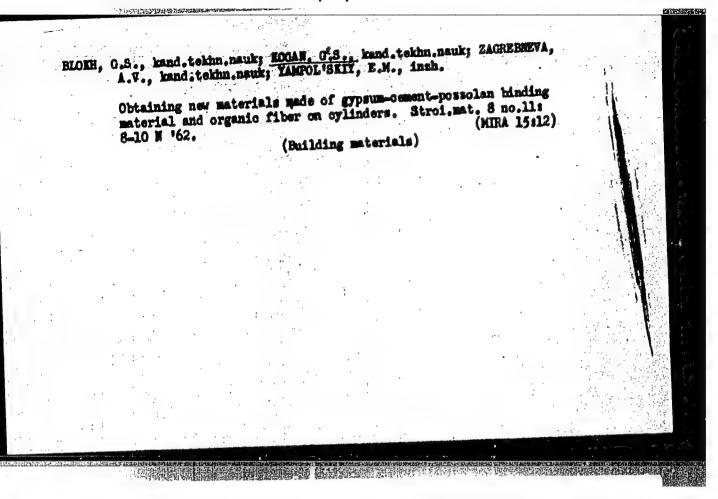
WOLZHENSKIY, A.V., prefessor; MOAN, C.S., inshenor.

Making large gypsum concrete panel wall slabs on stands having tilting platforms. Rats. i isobr.prodl. v stroi. me.121:3-11 '55.(NIRA 9:7) (While) (Concrete slabe)



ECGAN, G.S., kand.tekhn.nenk; EEGERDLOVA, V.P., insh.

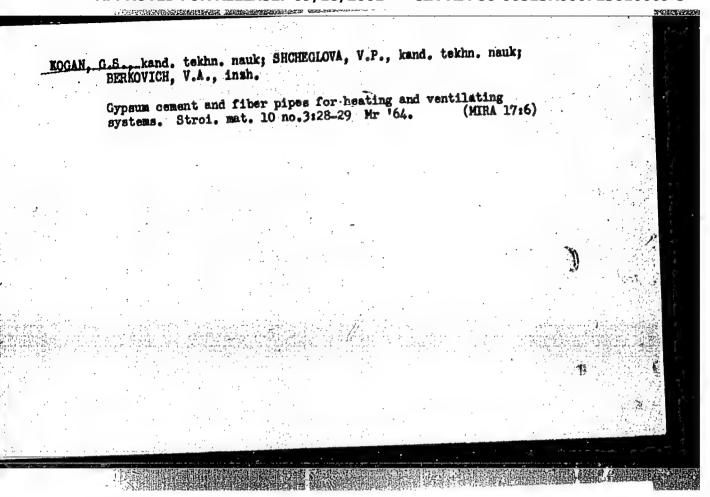
Using gypsum-cement morters in making vibrated brick panels and blocks. Stroi. mat. 6 no.10:6-11 0 '60. (MIRA 13:10) (Morter) (Building, Brick)

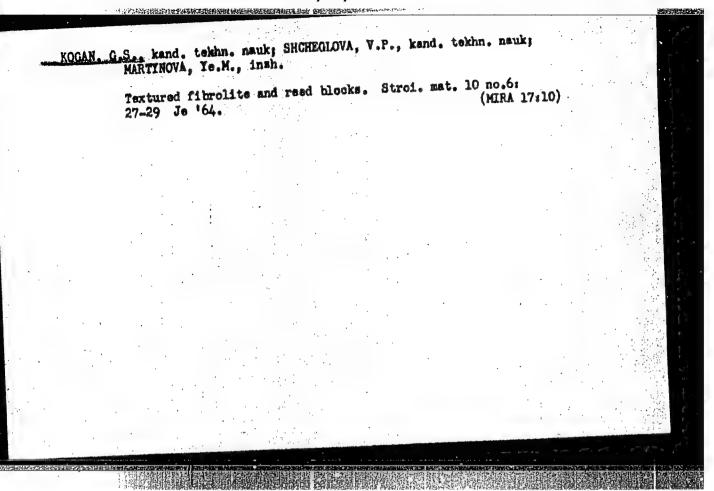


ANASTASIADI, A.P.; BOROVSKIY, V.R.; VYBORNOV, G.V.; KOPELYANSKIY, G.D.; MAK, I.L.; PECHURO, S.S.; PIYEVSKIY, I.M.; RACHEVSKAYA, K.D.; REYZNER, Yu.B.; RYBAK, L.L.; TSEPELIOVICH, M.R.; SHUMAKHER, L.I.; YUSHKEVICH, M.O.[deceased]; AGEYENKO, Yu.G., nauchnyy red.; EŽLUGIN, A.T., nauchnyy red.; KOGAN, G.S., nauchnyy red.; KRZHEMINSKIY, S.A., nauchnyy red.; MITSKEVICH, M.I., nauchnyy red.; SILENOK, S.G., nauchnyy red.; TRILESNIK, Z.Ye., nauchnyy red.; ZUBAREV, K.A., glav. red.; TROFIMOV, I.P., red.; SKRAMTAYEV, B.G., glav. red.; BALAT'YEV, P.K., red.; KITAYEV, Ye.N., red.; KITAYGONODSKIY, I.I., red.; ROKHVARGER, Ye.L., red.; KHOLIN, I.I., red.; CHERKINSKAYA, R.L., red.; RODIONOVA, V.M., tekhn. red.

[Manual on the production of gypsum and gypsum products] Spravochnik po proisvedstvu gipsa i gipsovykh izdelii. [By] A.P. Anastasiadi i dr. Pod red. K.A.Zubareva. Moskva, Gosstroizdat, 1963. 464 p. (MIRA 16:7) (Gypsum) (Gypsum products)

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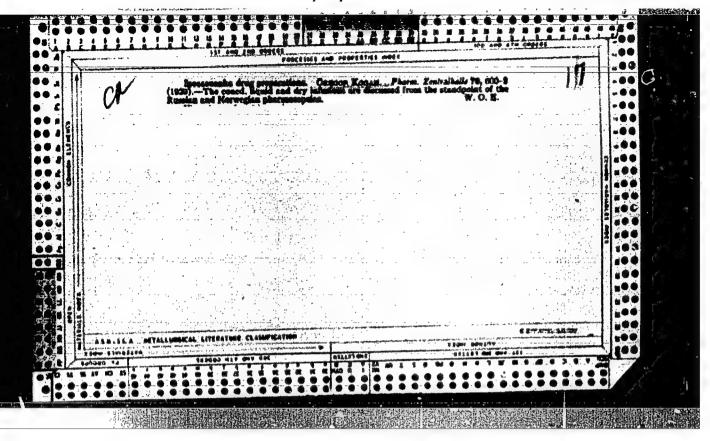


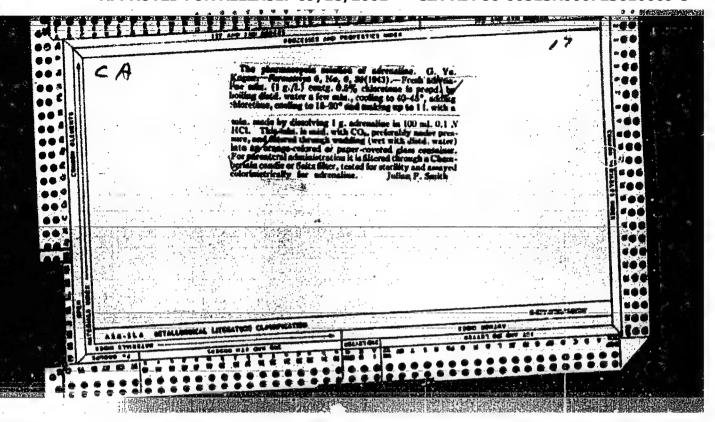
L 46601-66 EWI(E) SOURCE CODE: UR/0413/66/000/007/0116/0116 ACC NR: AP6012177 (A)8 Volzhenskiy, A. V.; Kogan, G. S.; Tsuranov, L. M. B ORG: none see a sy Class 80, No. 180514 [announced by the All-Union TITLE: Light-weight concrete. Scientific Research Institute of New Construction Materials, Academy of Construction and Architecture, SSSR (Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov akademii stroitel'stva i arkhitektury SSSR)] SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 116 TOPIC TAGS: concrete, light weight concrete, construction material ABSTRACT: An Author Certificate has been issued for light-weight concrete with a gypsum-cement binder and a porous mineral filler. In order to have the filler serve as the active hydraulic additive, a porous clay filler in a mixture with a binder containing 75-80% construction gypsum and 20-25% portland cement is suggested as [LD] the filler. 11/ SUBM DATE: 21Jan63/ 666.973.022.2

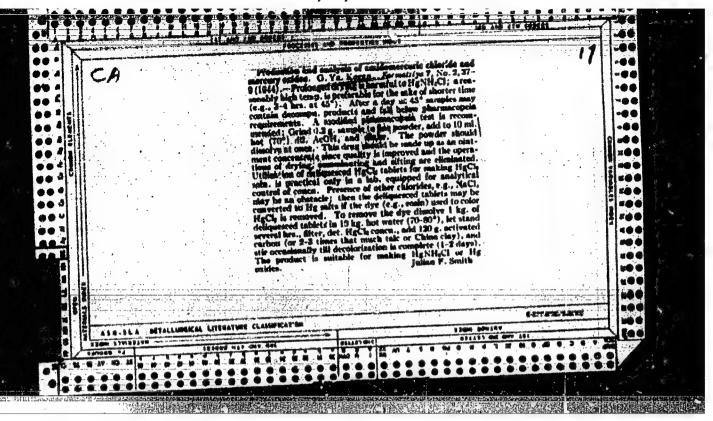
**The Approximate methods of evaluating the Scattered Light Intensity
in the Earthas Atmosphere. The Results of Calculations for the case of x
Anisotropic scattering, paper submitted at International Assoc. of Mebeorology
Heetings, Toronto, Canada, 2-14 Sep 57

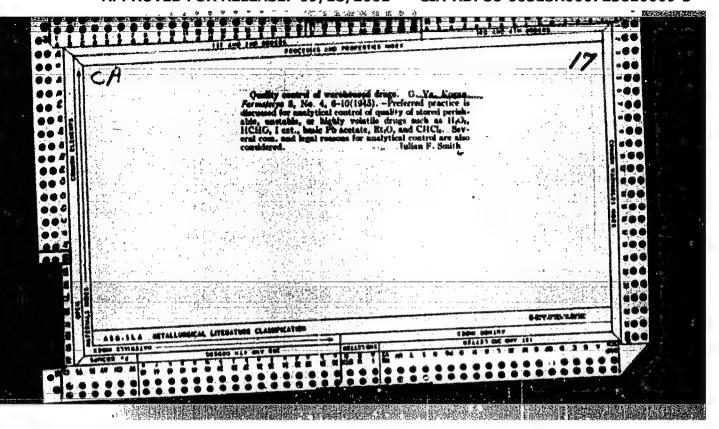
C-3,800,327

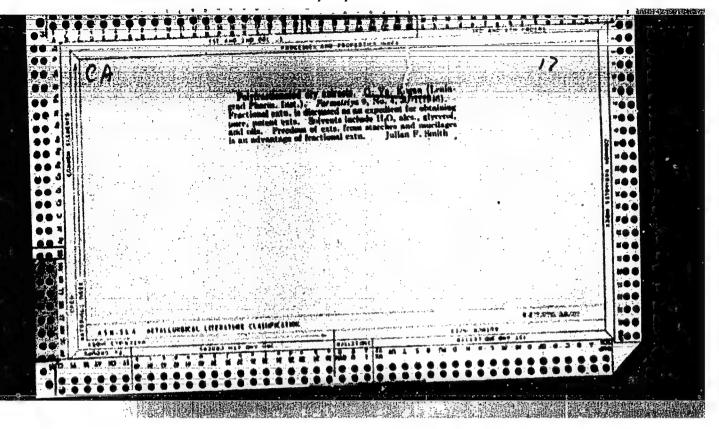
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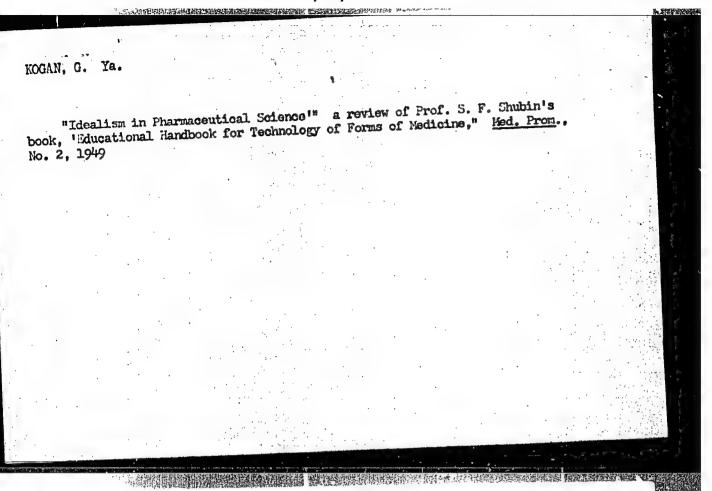






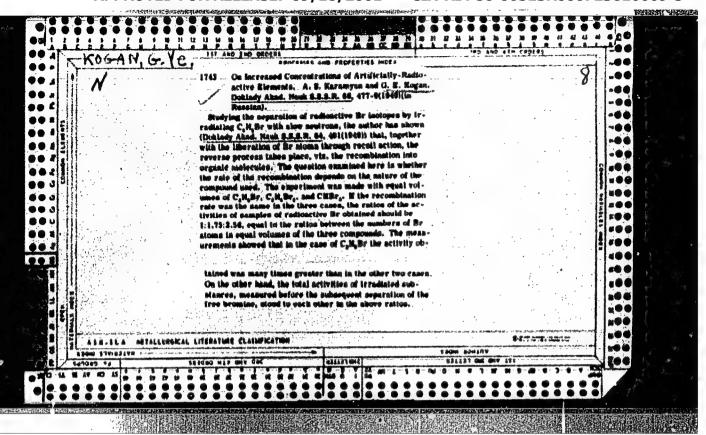


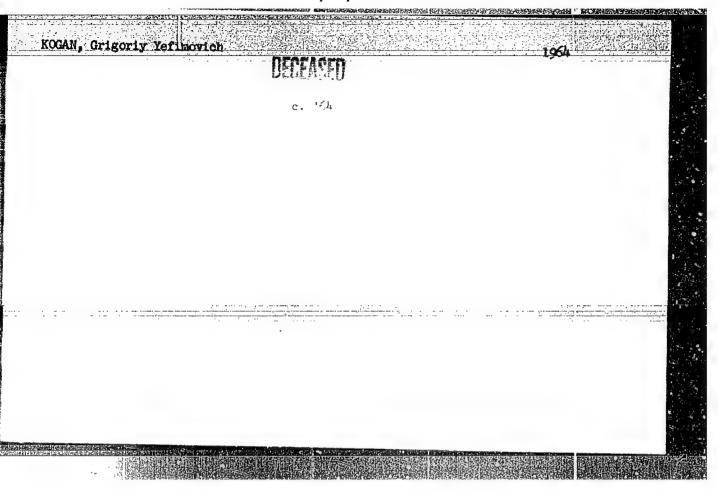




Pharmacy
Basic problems of Soviet technology in the preparation of galericals. Apt. delo No. 1, 1952.

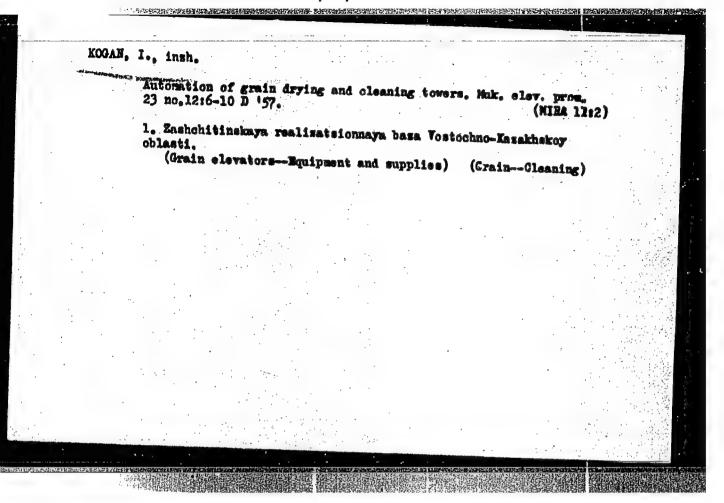
Monthly List of Russian Accessions. Library of Congress
November 1952 UNCLASSIFIED





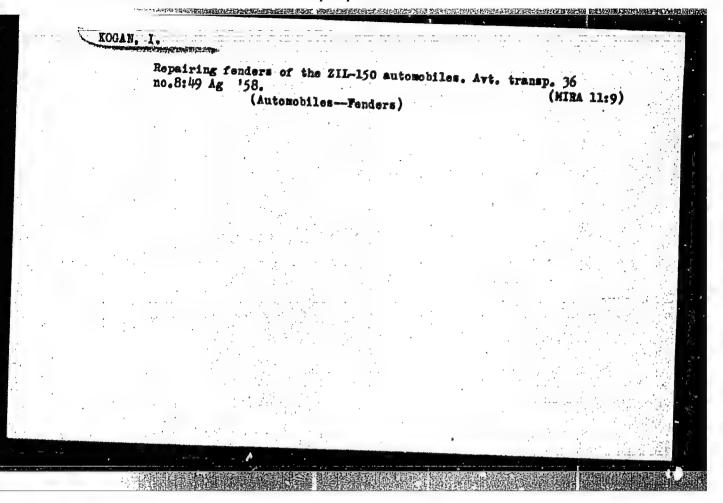
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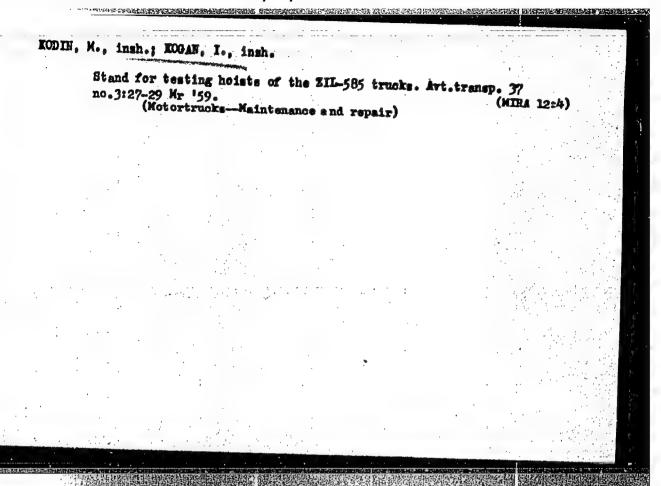
KOJAN,	I., insh.		. :		
,	Automatic operation prom. 26 no. 11:16-1	of the sliders of 8 M '60.	. UMANA	1 (4111)	
	1. Vostochno-Kazakhs (Gre	tanskoye upravleni Lin elevatorsRqu		* **	

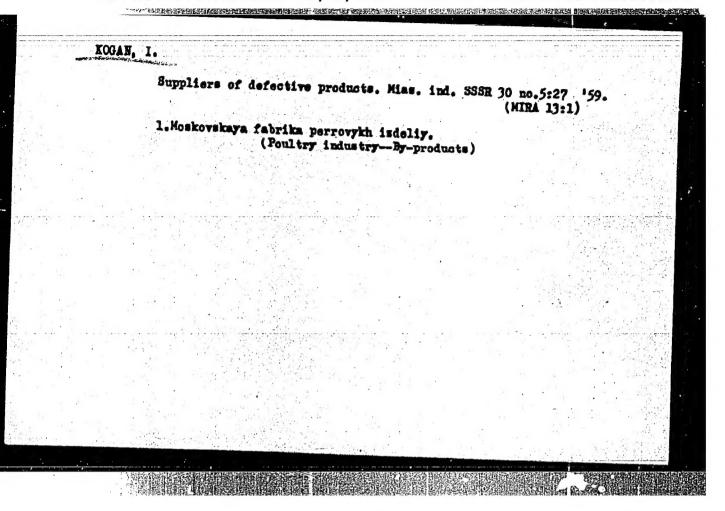


Modernising grain dryers and introducing their automatic control at grain procurement stations of eastern Kasakhatan, Muk.-elev. prom. 25 no.3:20-22 Mr *59. (MIRA 12:6)

1. Vostochno-Kasakhakoye upravleniye khleboproduktov. (Kasakhatan-Grain-Drying) (Automatic control)







	hard light and the state of the	THE STATE OF THE PARTY OF THE P		
KOGAN,	1.	*		
	An interesting bydraulic sy	tem. Prom.koop. 14	no.8:16 Ag (MIRA 13:8)	
	1. Tekhnoruk arteli "Pirmri (HigaHydrau	ndniyeks, " Riga. lic presses)		
		A community		

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